Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/03/2020 09:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124033	-1	3.14	124241	3.13
Blue	F	SSC	125000	124445	-1	2.95	125197	3.02
Blue	E	FITC	15892	15472	-3	3.29	338	21.36
Blue	D	PE	29999	29068	-4	2.53	631	15.46
Blue	B	PerCP-Cy5-5	43732	43474	-1	4.21	1161	21.57
Blue	A	PE-Cy7	30845	30695	-1	6.47	585	43.14
Red	C	APC	46112	45096	-3	2.65	1596	12.14
Red	A	APC-Cy7	30458	29675	-3	2.57	784	12.13
Violet	B	V450	7918	7639	-4	4.13	431	14.00
Violet	A	V500	32171	31062	-4	3.86	725	11.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16839	11.79	634	13	N/A	N/A	Pass
Blue	F	SSC	56715	2.32	574	15	N/A	N/A	Pass
Blue	E	FITC	61	68.96	550	7	0.0179	179	Pass
Blue	D	PE	133	52.61	555	7	0.1552	302	Pass
Blue	B	PerCP-Cy5-5	213	52.74	664	8	0.0081	56	Pass
Blue	A	PE-Cy7	104	109.67	706	8	0.0098	17	Pass
Red	C	APC	379	25.56	586	2	0.0247	176	Pass
Red	A	APC-Cy7	172	28.63	558	2	0.0054	722	Pass
Violet	B	V450	65	65.89	459	1	0.0457	2378	Pass
Violet	A	V500	109	40.95	475	1	0.0206	1631	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.70	-32.11	1.04
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	17.13	13.60 - 20.40	N/A	N/A	29.36	29.93	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10124

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments